

®

THE NEW YANKEE



WORKSHOP

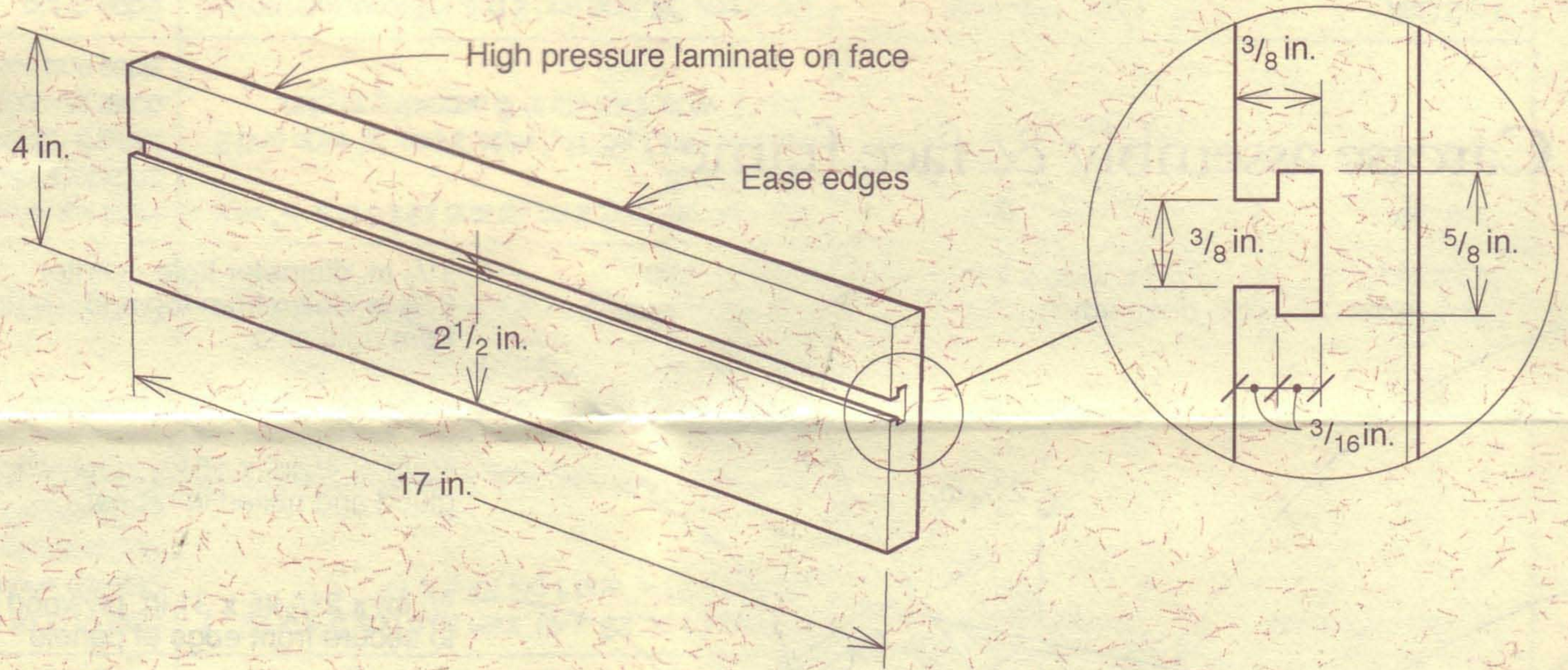
Featuring the Craftsmanship of
NORM ABRAM
DELUXE ROUTER
STATION

COMPANION TO THE
PBS
SERIES

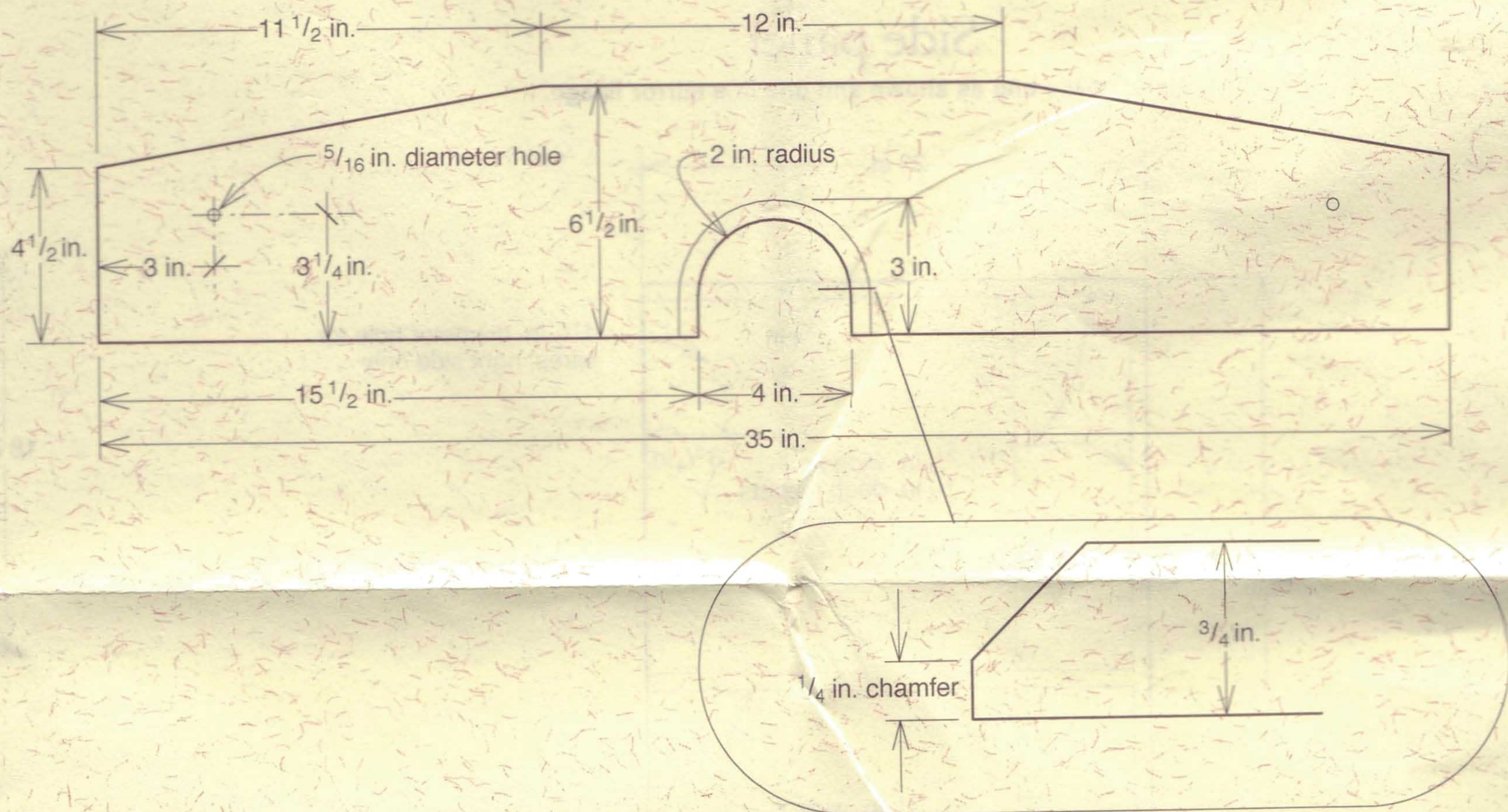
0301P

Adjustable fence blocks ($\frac{3}{4}$ in. MDF)

Note: Two required.

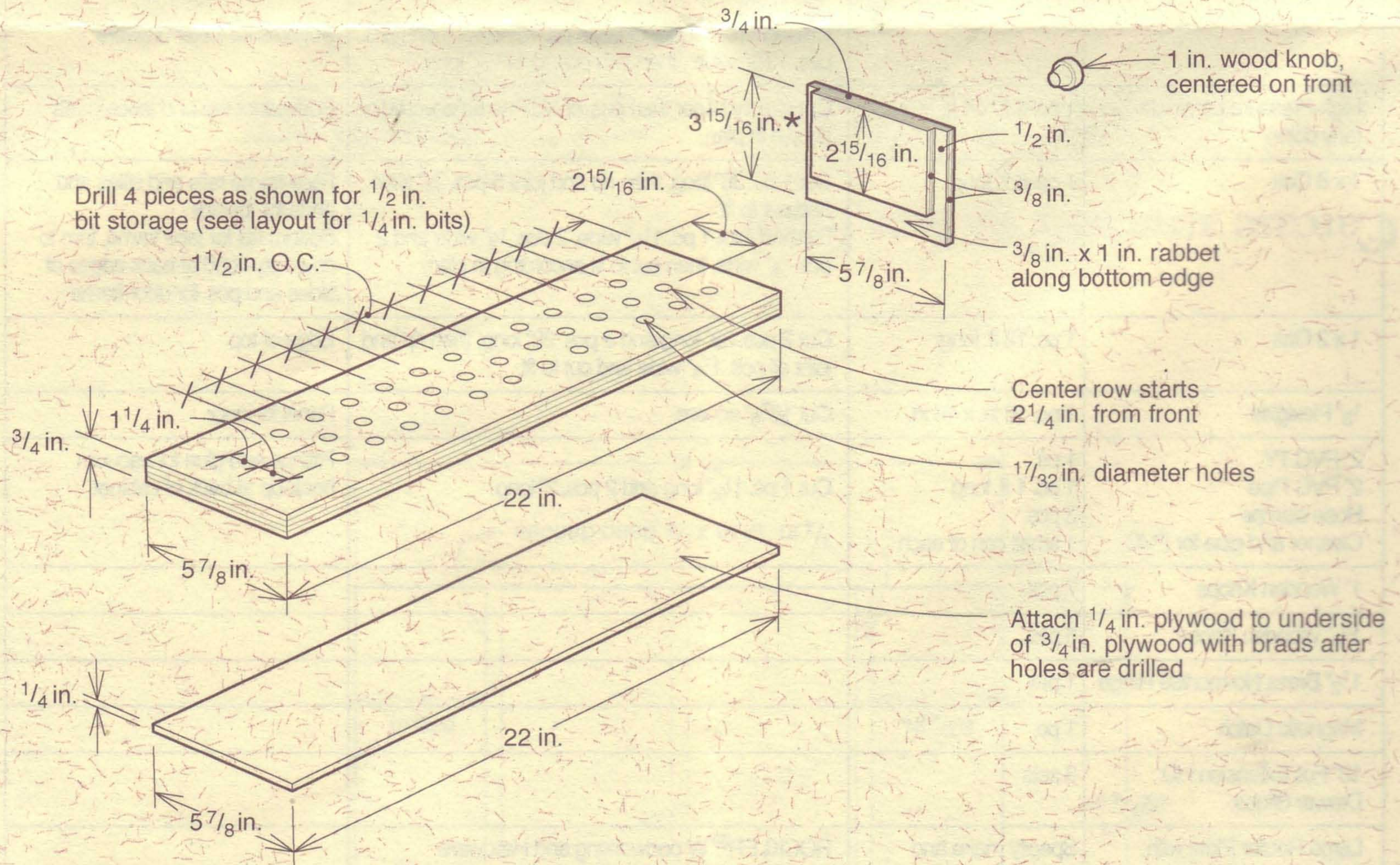


Base for fence ($\frac{3}{4}$ in. MDF)



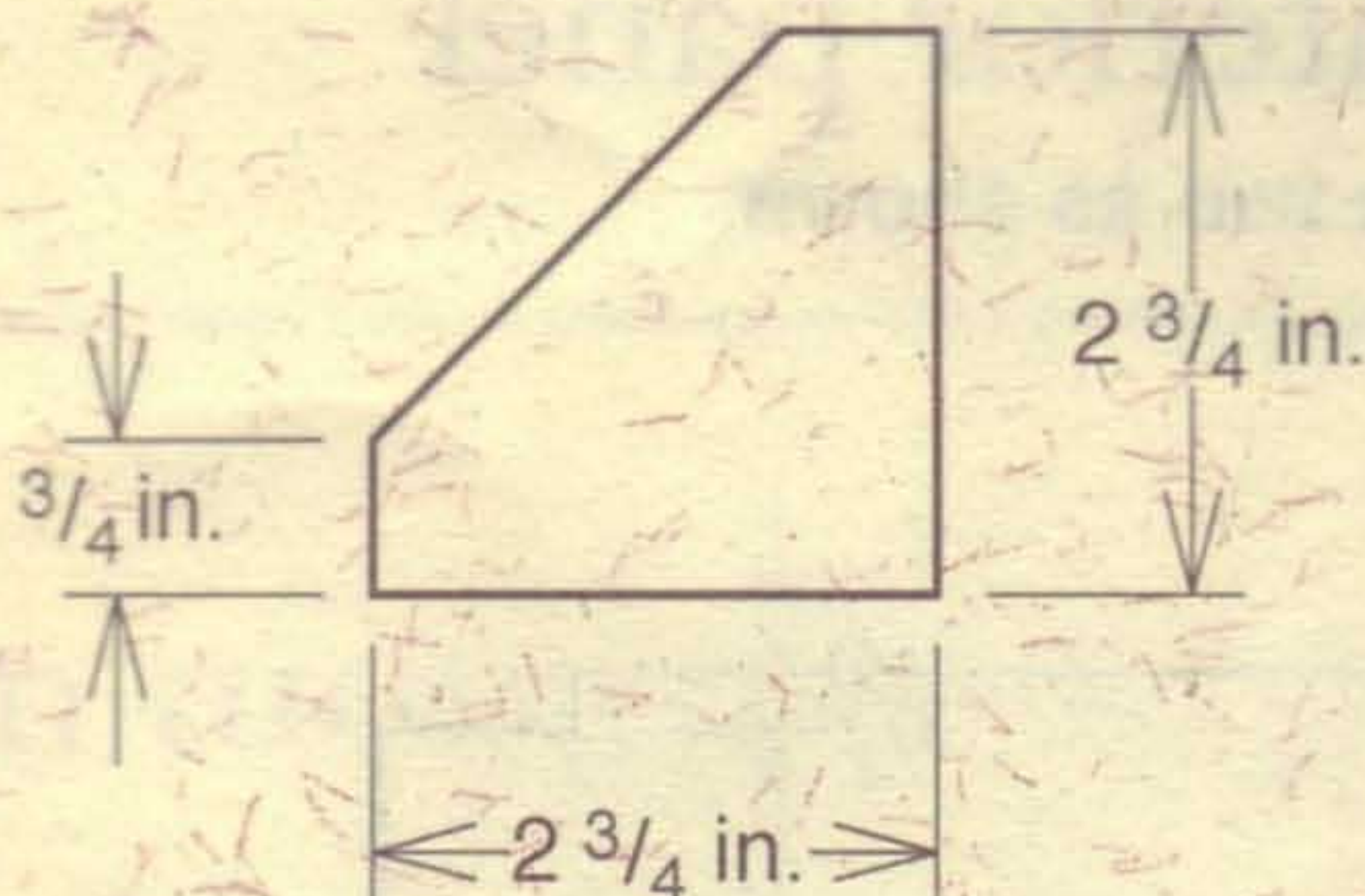
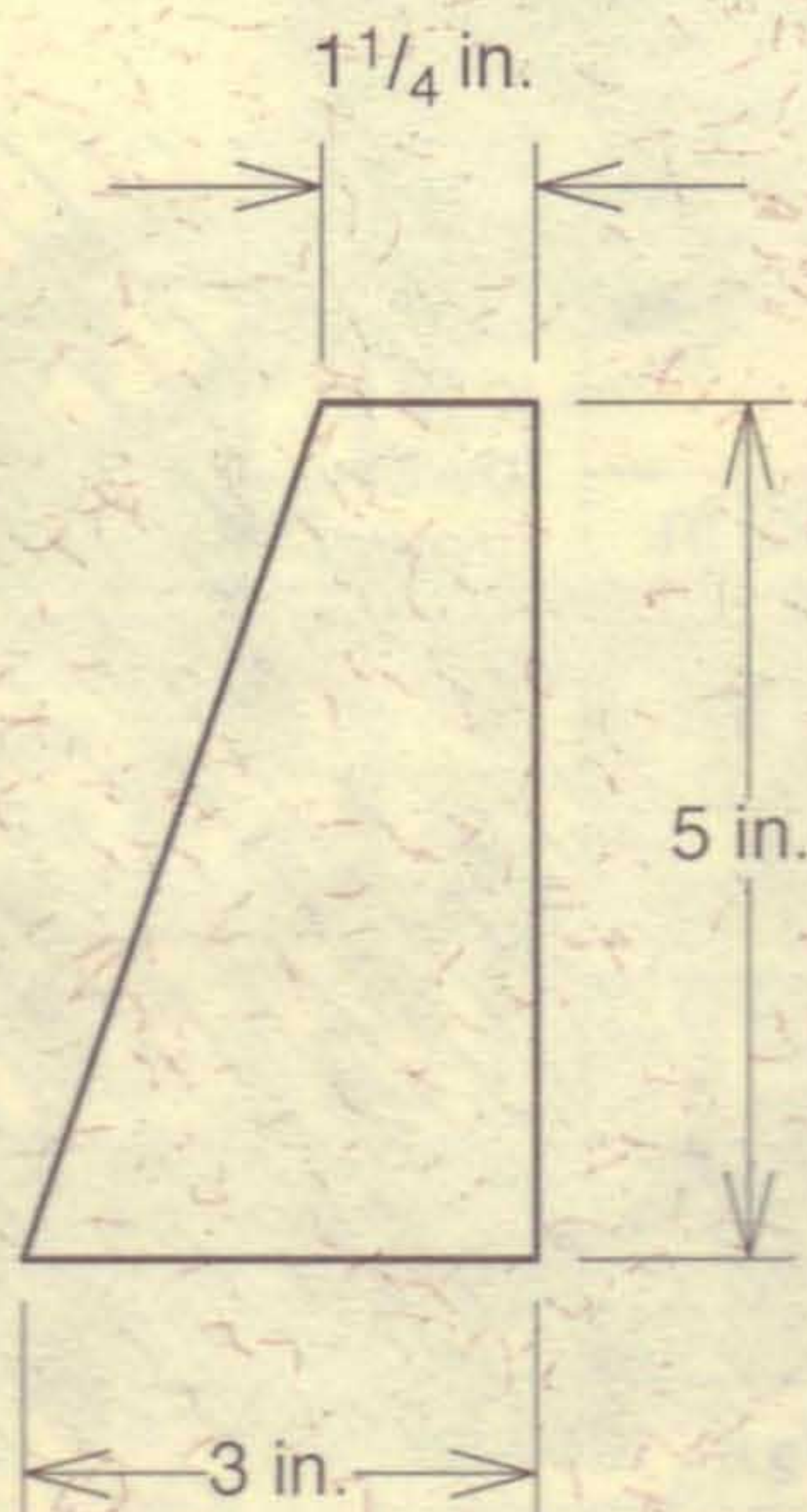
Bit storage drawer

Note: Four required for $\frac{1}{2}$ in. bit storage (*two have $4\frac{15}{16}$ in. high fronts) and two required for $\frac{1}{4}$ in. bit storage.

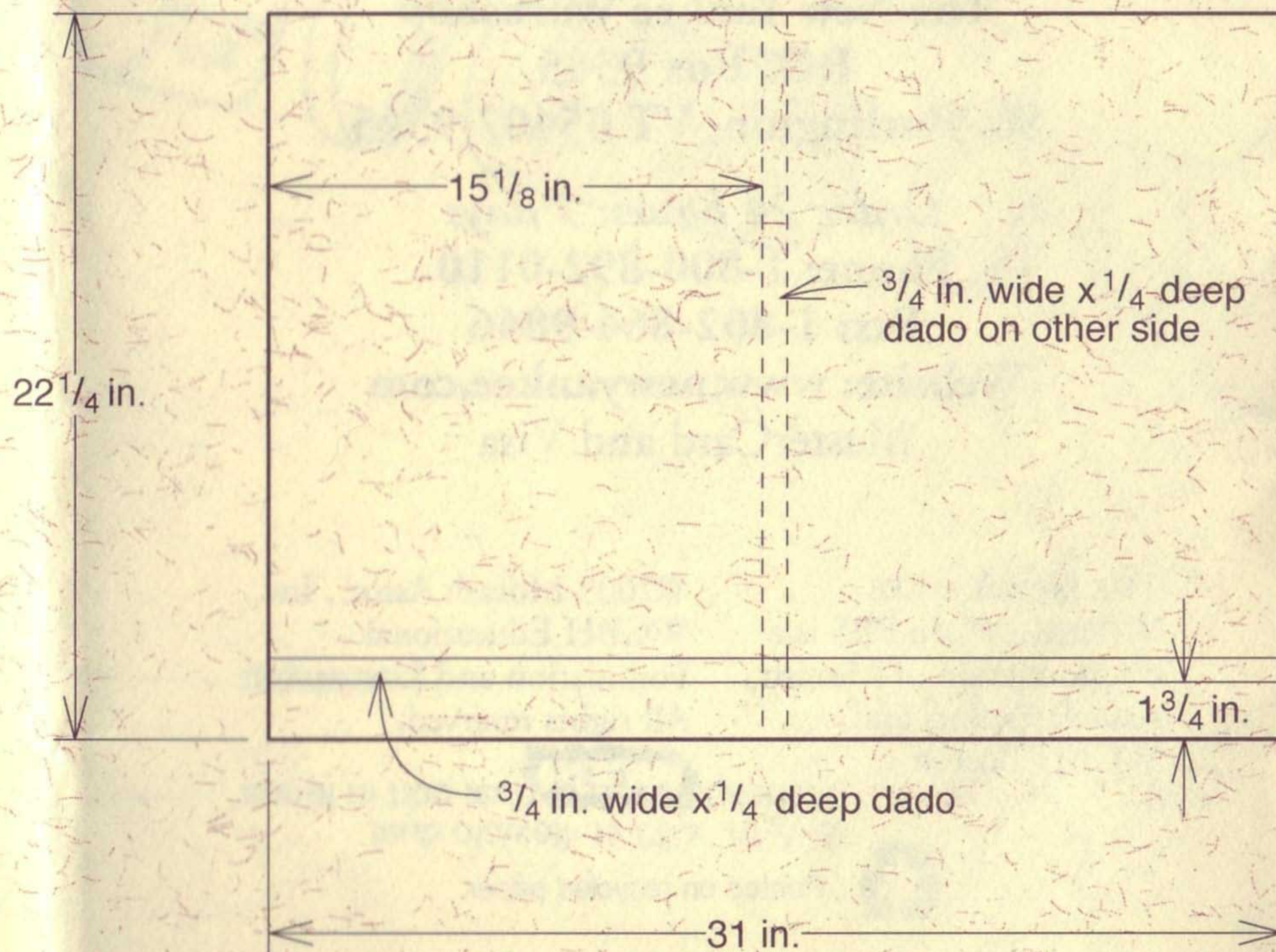


Blocks ($\frac{3}{4}$ in. MDF)

Note: Two each required.



Bottom shelf (viewed from underside)



Carcase assembly & face frame

$\frac{3}{4}$ in. plywood back is attached with nails to rabbets in side panels and with biscuits and glue to interior panels – center $2\frac{3}{8}$ in. diameter hole for vacuum pick-up $16\frac{3}{4}$ in. down from top edge

$\frac{5}{8}$ in. wide x 1 in. deep notch

$1\frac{1}{2}$ in. diameter hole - center $2\frac{1}{2}$ in. down from top and $2\frac{1}{2}$ in. from right side

Dust collection chute (see details)

$\frac{1}{2}$ in. wide x $\frac{3}{4}$ in. high x $19\frac{3}{4}$ in. cleat to guide wrench drawer

$\frac{3}{4}$ in. x $\frac{3}{4}$ in. x $16\frac{5}{8}$ in. plywood cleat, glued and nailed in rabbet

$\frac{3}{4}$ in. x $2\frac{1}{2}$ in. x 31 in. plywood cleat to secure front edge of panels

$3\frac{1}{8}$ in.

$\frac{3}{4}$ in. x $\frac{3}{4}$ in. x $16\frac{5}{8}$ in. plywood cleat, glued and nailed in rabbet

$\frac{1}{2}$ in. x $2\frac{15}{16}$ in. x $22\frac{5}{8}$ in. cleats ($\frac{1}{2}$ in. x $3\frac{15}{16}$ in. x $22\frac{5}{8}$ in. cleat) for storage drawers – install before assembling carcass – set $\frac{3}{8}$ in. beyond plywood edge

$\frac{1}{4}$ in. x 6 in. x $22\frac{1}{4}$ in. plywood bottom for wire compartment

$1\frac{1}{16}$ in. space from middle shelf and between cleats

Magnetic catch, centered on opening for door

$\frac{1}{4}$ in. x $\frac{3}{4}$ in. oak strip to cover plywood edge

$\frac{3}{4}$ in. x $\frac{3}{4}$ in. oak to cover plywood edge

All face frame pieces are $\frac{3}{4}$ in. x $\frac{3}{4}$ in. except bottom rail which is $1\frac{1}{2}$ in. wide

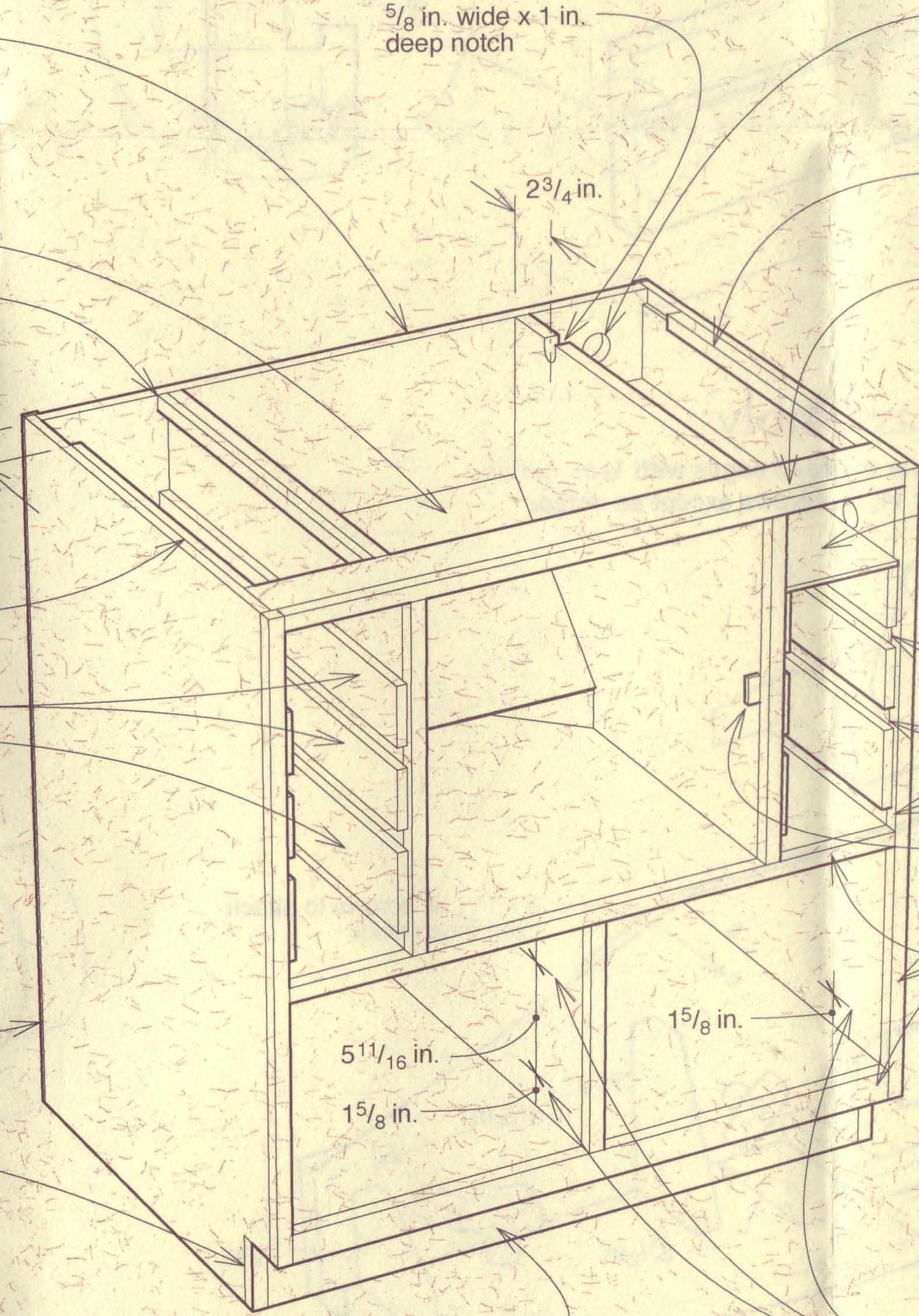
$5\frac{11}{16}$ in.

$1\frac{5}{8}$ in.

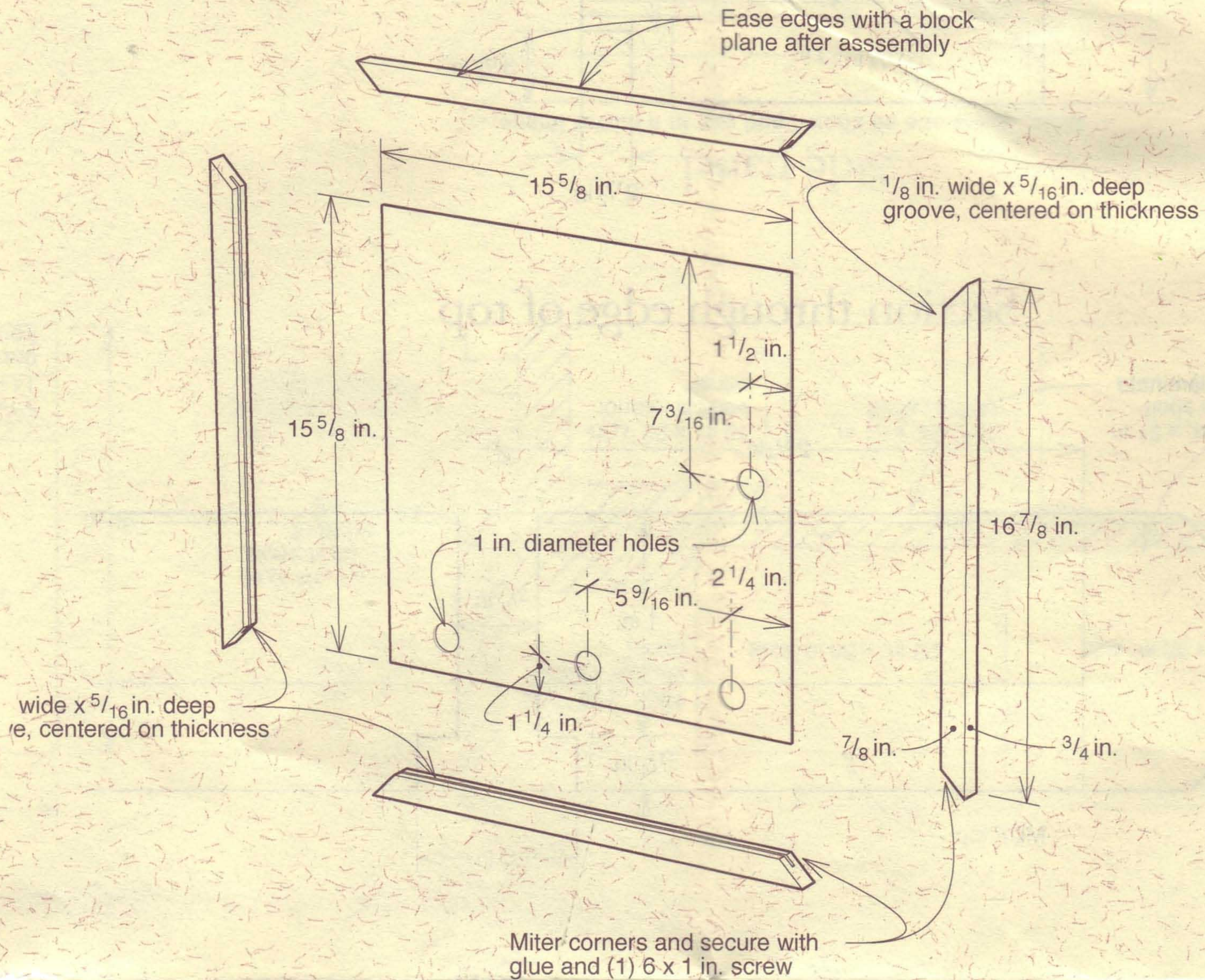
$1\frac{5}{8}$ in.

$\frac{3}{4}$ in. x $4\frac{1}{2}$ in. x $30\frac{1}{2}$ in. plywood toe kick

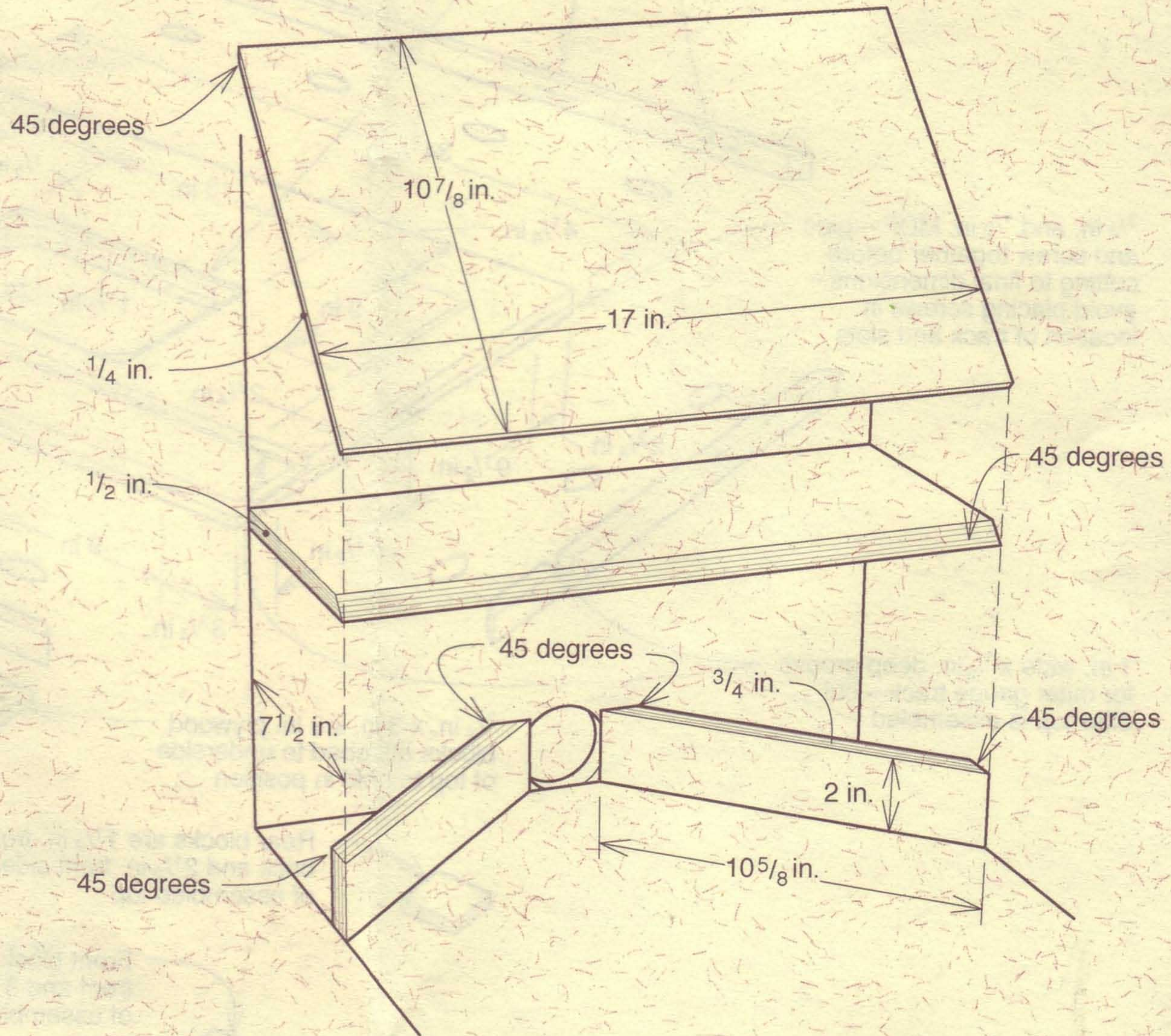
Centerline of drawer slides – front edge of slides are held back $\frac{9}{16}$ in. from front of face frame



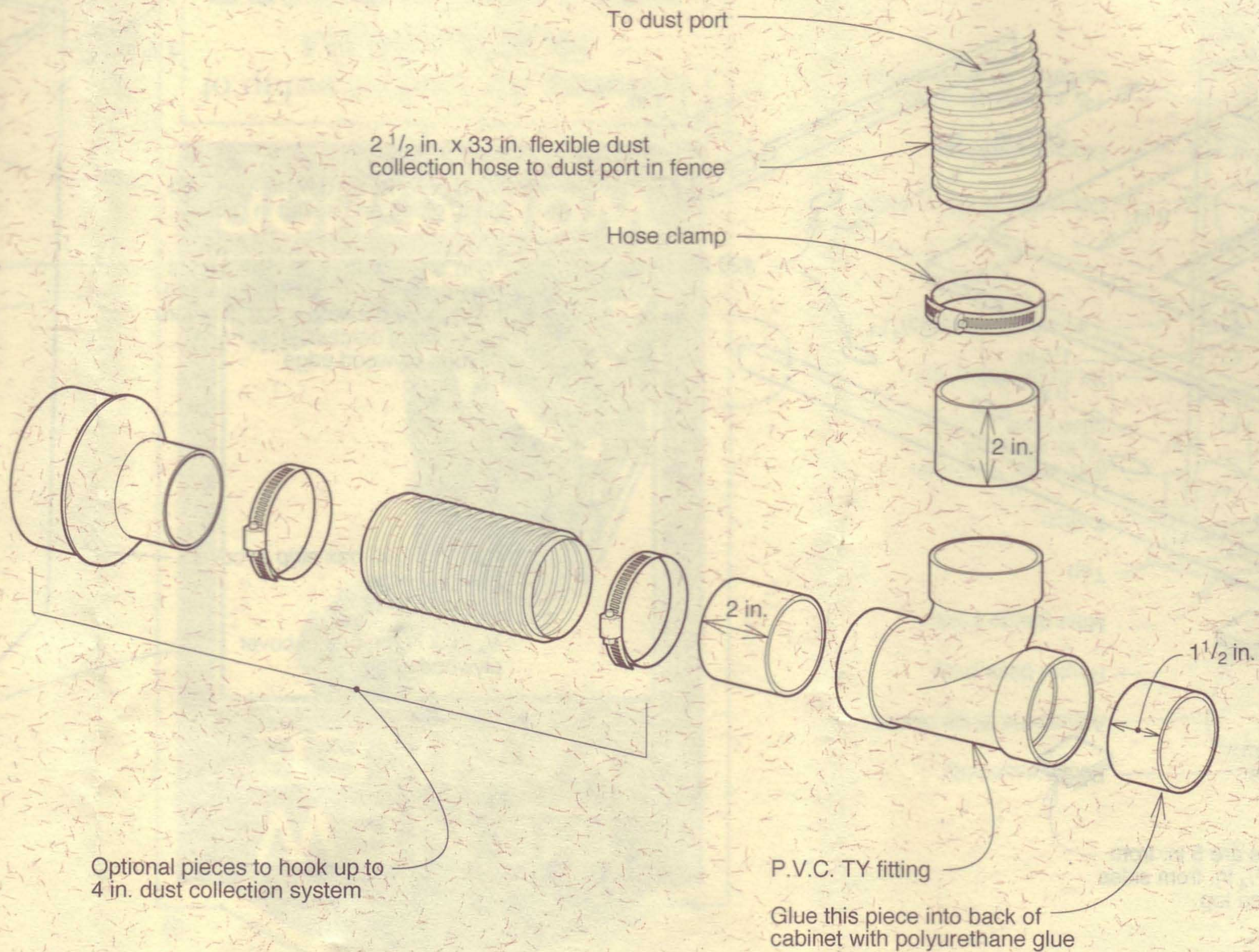
Door



Dust collection chute assembly



Dust collection hook-up



Fence assembly

Note: Before assembly, roundover exposed edges with $\frac{1}{4}$ in. radius.

Assemble with glue and $8 \times 1\frac{5}{8}$ in. screws except as noted.

Dust port

$\frac{3}{4}$ in. x $\frac{3}{4}$ in. MDF
centered on cut out -
attach with glue
and brads

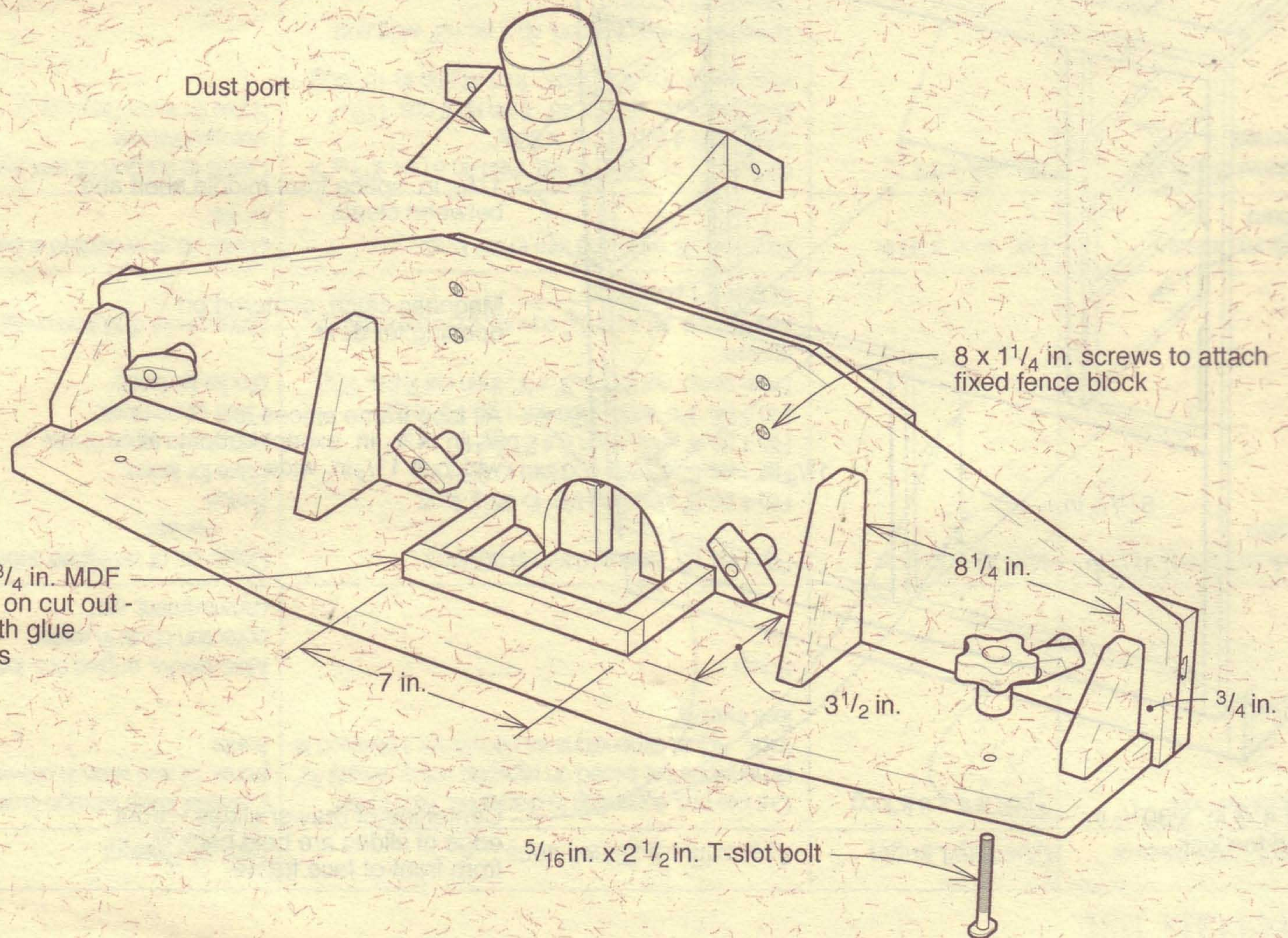
$8 \times 1\frac{1}{4}$ in. screws to attach
fixed fence block

$8\frac{1}{4}$ in.

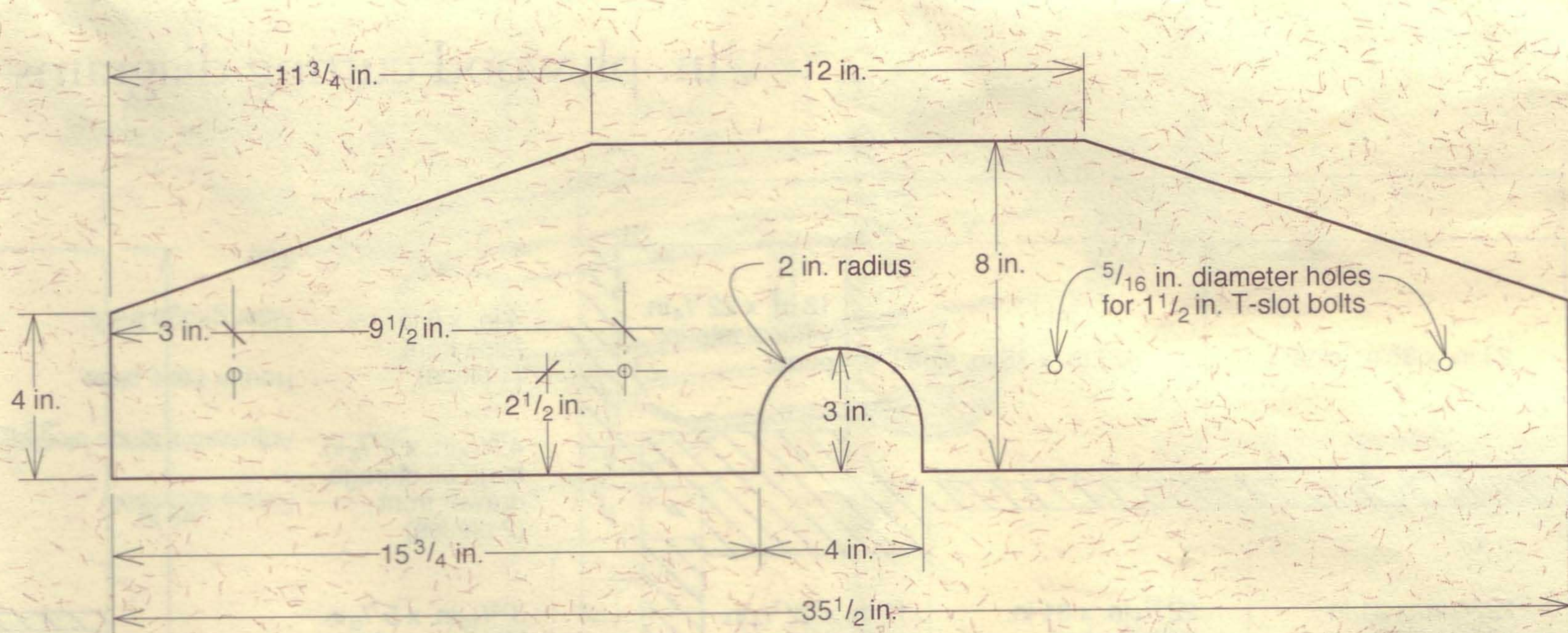
$3\frac{1}{2}$ in.

$\frac{3}{4}$ in.

$\frac{5}{16}$ in. x $2\frac{1}{2}$ in. T-slot bolt

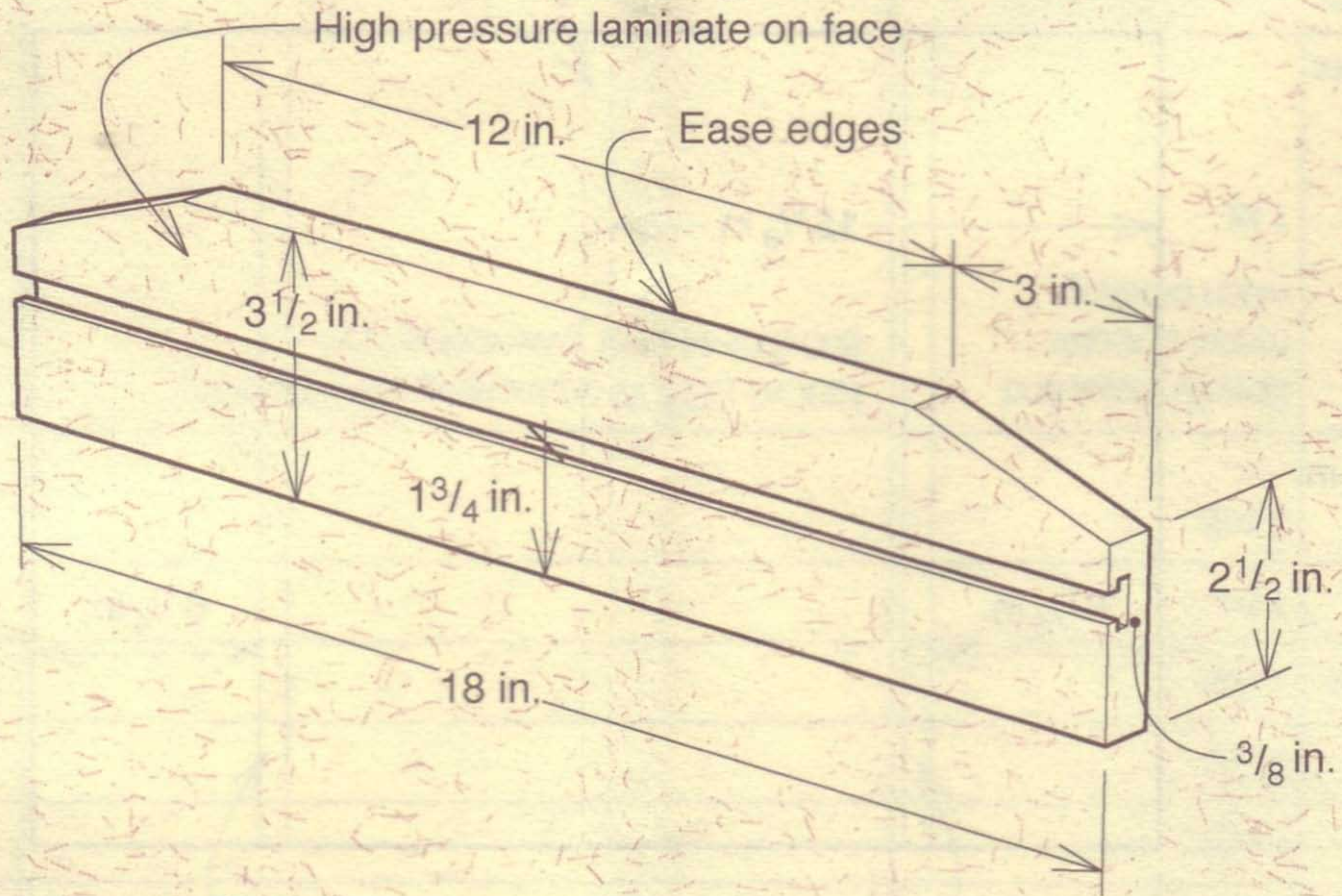


Fence ($\frac{3}{4}$ in. MDF)



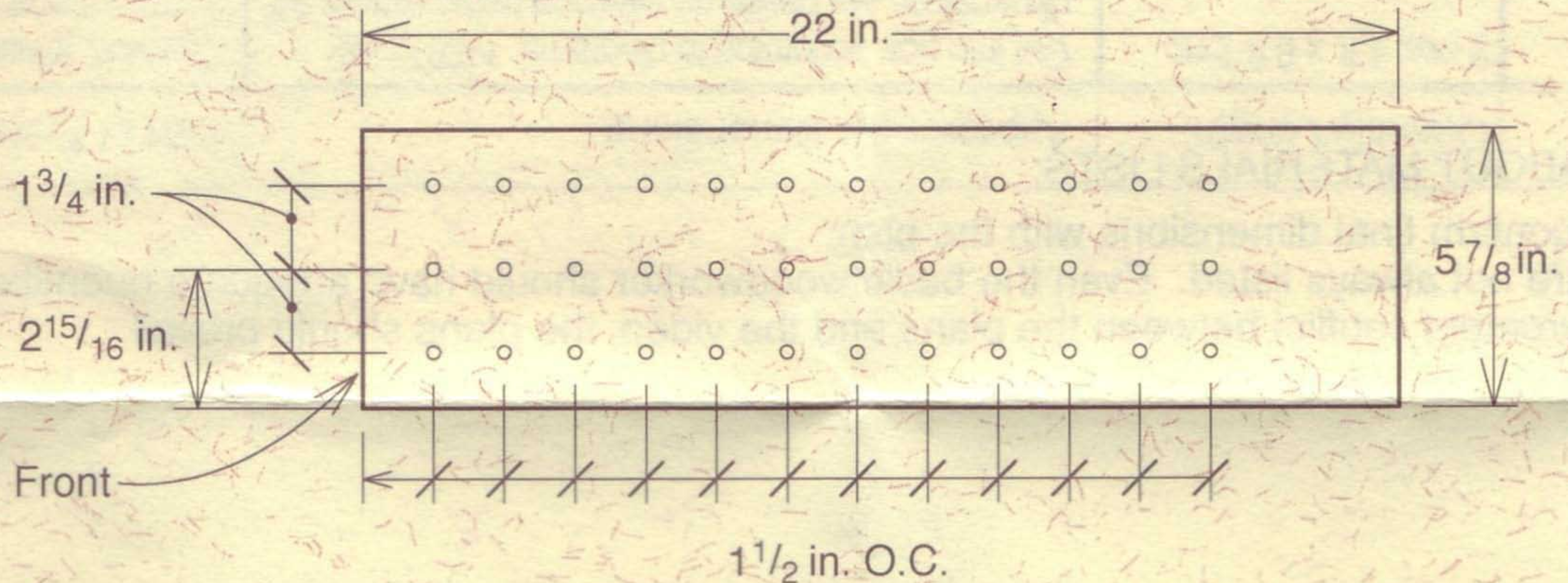
Fixed fence block ($\frac{3}{4}$ in. MDF)

Note: Attach $4\frac{1}{4}$ in. from bottom of assembled fence.

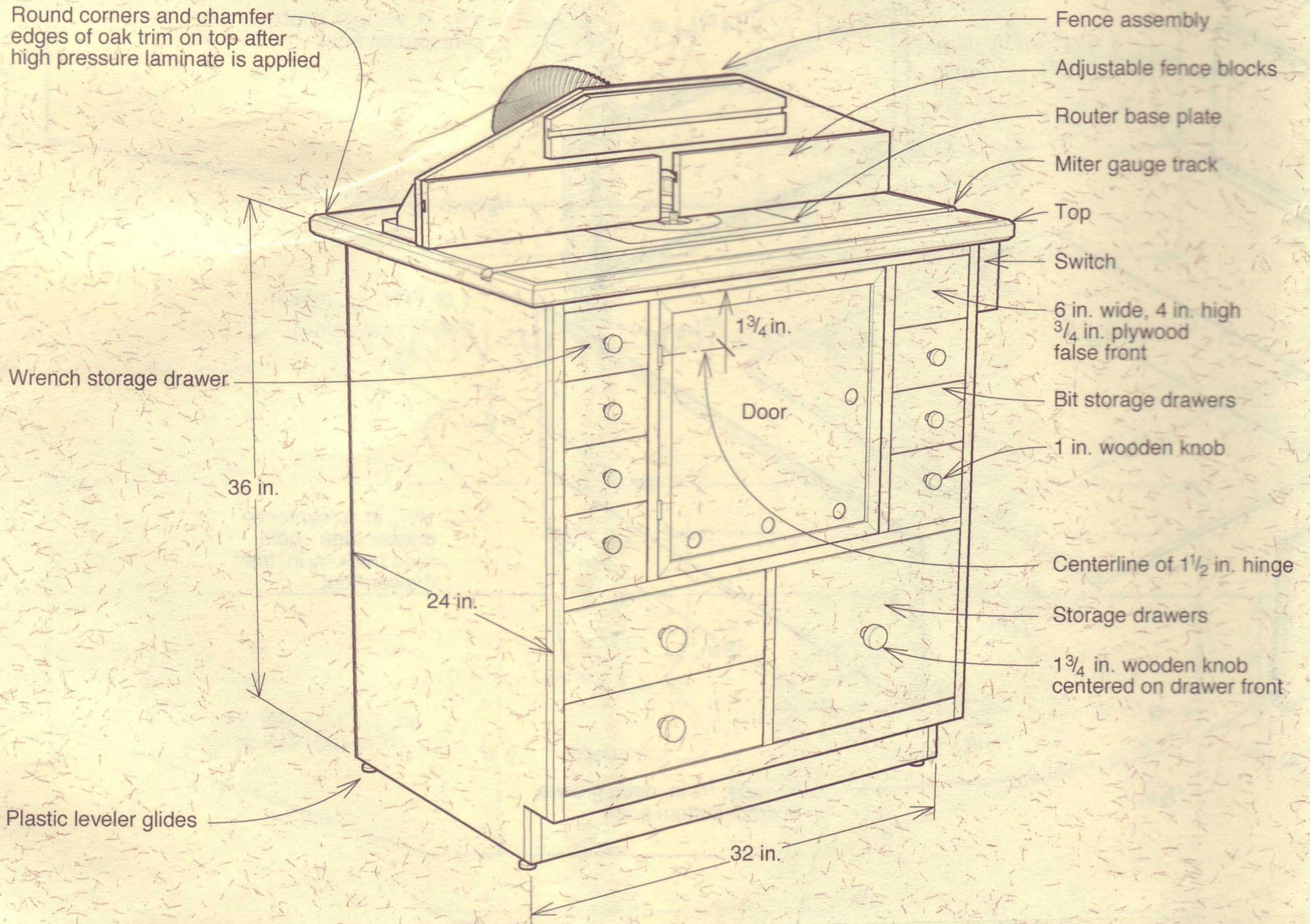


Layout of storage drawer for $\frac{1}{4}$ in. shank bits

Note: $\frac{3}{4}$ in. plywood, two required. Holes are $\frac{9}{32}$ in. in diameter.



Major anatomy



Materials list

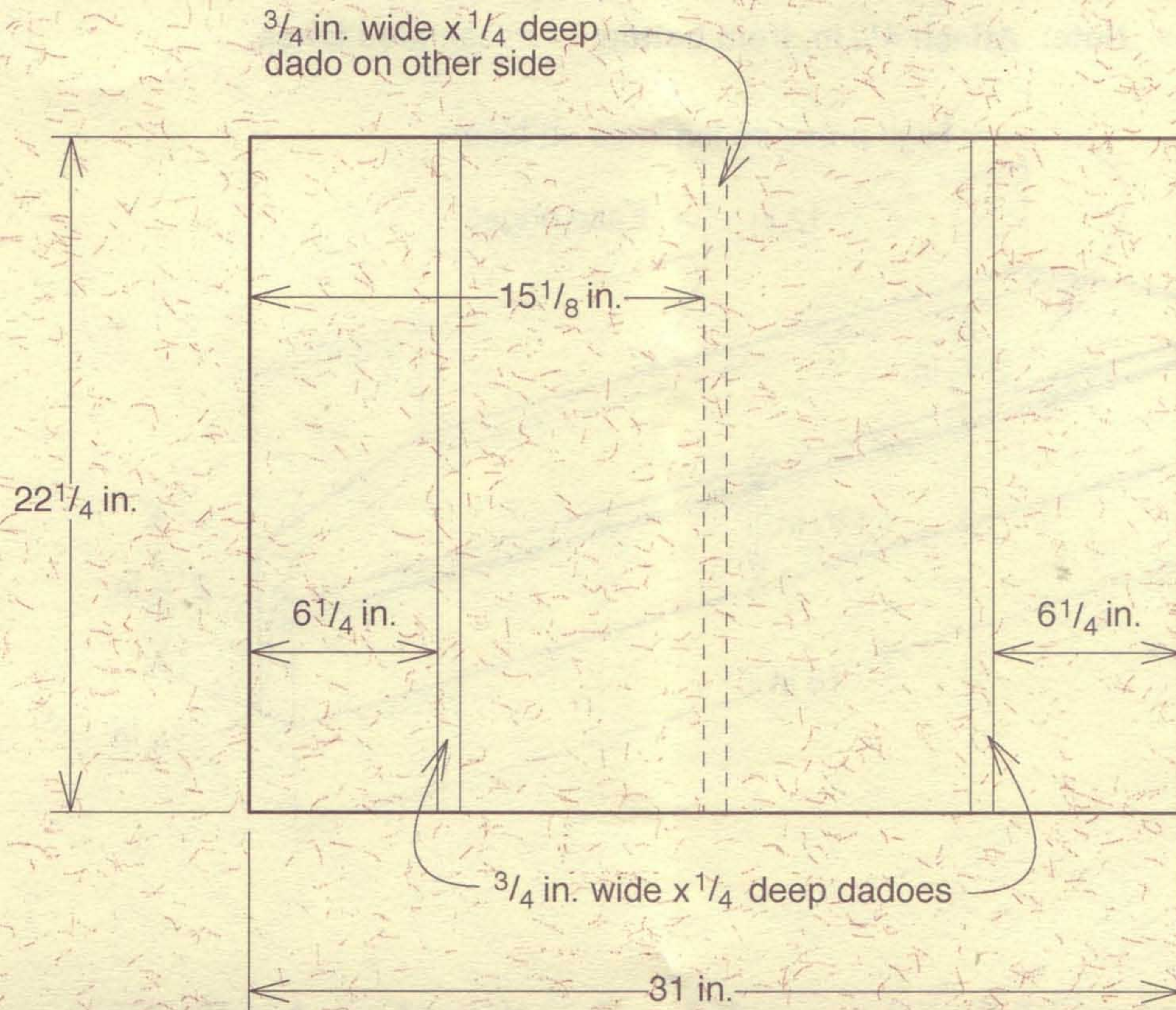
Nominal Dimensions	Quantity/Length	Approximate Dimensions	Part of Project
$\frac{3}{4}$ " Birch Plywood	2 pcs. 4 ft. x 8 ft. long	Cut into pcs. according to diagrams. NOTE: All dimensions are based on plywood being exactly $\frac{3}{4}$ " thick. Adjust dimensions as necessary if plywood is less than $\frac{3}{4}$ ". Scrap	Carcase, lower storage drawer fronts, bit and wrench drawer fronts Misc. blocks, angled pcs. for dust collection chute in router compartment, etc.
$\frac{3}{4}$ " Medium Density Fiberboard	1 pc. 49 in. x 48 in.	Rip 1 pc. 25" wide and trim to 35" long. Rip 1 pc. 8" wide and trim to 35 $\frac{1}{2}$ " long. Rip 1 pc. 6 $\frac{1}{2}$ " wide and trim to 35" long. Rip 1 pc. 4" wide, then cut 2 pcs. 17" long. Rip 1 pc. 3 $\frac{1}{2}$ " wide, then cut 1 pc. 18" long. From scrap, cut 2 pcs. 3" x 5", then cut 2 pcs. 2 $\frac{3}{4}$ " square. From scrap, rip a pc. $\frac{3}{4}$ " square, then cut 2 pcs. 3 $\frac{1}{2}$ " long and 1 pc. 7" long.	Upper pc. of laminated substrate for top Fence Base for fence Adjustable fence blocks Fixed fence block Blocks for fence Strips under dust port on fence
$\frac{1}{2}$ " Medium Density Fiberboard	1 pc. 49 in. x 30 in.	Rip 1 pc. 25" wide and trim to 35" long.	Lower pc. of laminated substrate for top
$\frac{1}{2}$ " Cabinet Grade or AC Plywood	1 pc. 4 ft. x 8 ft.	Crosscut 1 pc. 22 $\frac{5}{8}$ " x 48", then rip 8 pcs. 2 $\frac{15}{16}$ " x 22 $\frac{5}{8}$ " and 4 pcs. 3 $\frac{15}{16}$ " x 22 $\frac{5}{8}$ ". Crosscut 1 pc. 18 $\frac{1}{2}$ " x 48", then rip 2 pcs. 11 $\frac{5}{16}$ " wide and 4 pcs. 5 $\frac{1}{4}$ " wide. Trim all pcs. to 18" long. From remaining plywood, rip 1 pc. 23" wide and crosscut 30" long: Rip 2 pcs. 3 $\frac{15}{16}$ " long which get cut into 2 pcs. 22" long and 1 pc. 5 $\frac{3}{8}$ " long. Rip 1 pc. 11 $\frac{5}{16}$ " long and trim to 13 $\frac{13}{32}$ " long. Rip remaining pc. into 2 pcs. 5 $\frac{1}{4}$ " wide and trim to 13 $\frac{13}{32}$ " long. From scrap, rip 1 pc. 7 $\frac{1}{2}$ " wide and trim to 17" long.	Cleats to support bit and wrench storage drawers Sides for lower drawers Sides and back for wrench drawer Backs for lower drawers Top of dust collection chute in router compartment
$\frac{1}{4}$ " Luaun Plywood	1 pc. 4 ft. x 4 ft.	Crosscut 1 pc. 22" x 48" then rip 6 pcs. 5 $\frac{7}{8}$ " x 22", 1 pc. 5 $\frac{3}{8}$ " x 21 $\frac{1}{8}$ " and 1 pc. 10 $\frac{7}{8}$ " x 17". Rip 1 pc. 6" wide from large remaining pc. and trim to 22 $\frac{1}{4}$ " long. Crosscut remainder of large pc. 18" wide, then rip 3 pcs. 13 $\frac{3}{8}$ " wide, then trim pcs. to 17 $\frac{1}{16}$ " long.	Bottom of bit storage and wrench drawers and sloped pc. on top of dust collection chute in router compartment Bottom for wire compartment Bottoms for lower drawers

High Pressure Laminate (any color)	1 pc. 4 ft. x 4 ft.	Cut slightly larger than pcs. of MDF to be covered as shown in plan.	Surface for top and fence parts
1 x 6 Oak	1 pc. 6 ft. long	Cut 1 pc. 36" long, then rip and joint 5 pcs. $\frac{3}{4}$ " wide and cut to fit. Rip and joint 1 pc. $1\frac{1}{2}$ " wide, 2 pcs. $\frac{1}{4}$ " wide and 2 pcs. $\frac{7}{8}$ " wide, then cut to fit according to plan.	Face frame rails and stiles and ends for toekick Bottom rail for face frame, trim to cover plywood at back edges of sides and pcs. for door frame
1 x 2 Oak	1 pc. 12 ft. long	Cut 2 pcs. 38" long and 2 pcs. 28" long, then rip and joint all pcs. $1\frac{1}{4}$ " wide and cut to fit.	Edge of top
$\frac{1}{8}$ " Plexiglas	1 pc. 16 in. x 16 in.	Cut $16\frac{7}{8}$ " square.	Panel for door
2" PVC TY 2" PVC Pipe Hose clamps Cleaner and glue for PVC	1 pc. 1 pc. 1 ft. long 3 pcs. 1 small can of each	Cut 1 pc. $1\frac{1}{2}$ " long and 2 pcs. 2" long.	Fittings and glue for vacuum hook-up at back of cabinet
1" Wooden Knobs	7 pcs.		
$1\frac{3}{4}$ " Wooden Knobs	3 pcs.		
$1\frac{1}{2}$ " Brass No-mortise Hinge	1 pair		
Magnetic Catch	1 pc.		
18" Full Extension HD Drawer Slides	3 sets		
Large Router Plate with 2 Inserts and Leveling Screws Hardware Kit #63010 (Includes switch, 36" miter track, fence hardware, levelers and 4" to $2\frac{1}{2}$ " reducer $2\frac{1}{2}$ " x 10' Black Hose #89567	Specify make and model of router when ordering 1 kit 1 pc.	ROCKLER® Woodworking and Hardware 800-279-4441 or www.rockler.com	
Porter Cable Router Model #75182 or builder's choice	1		

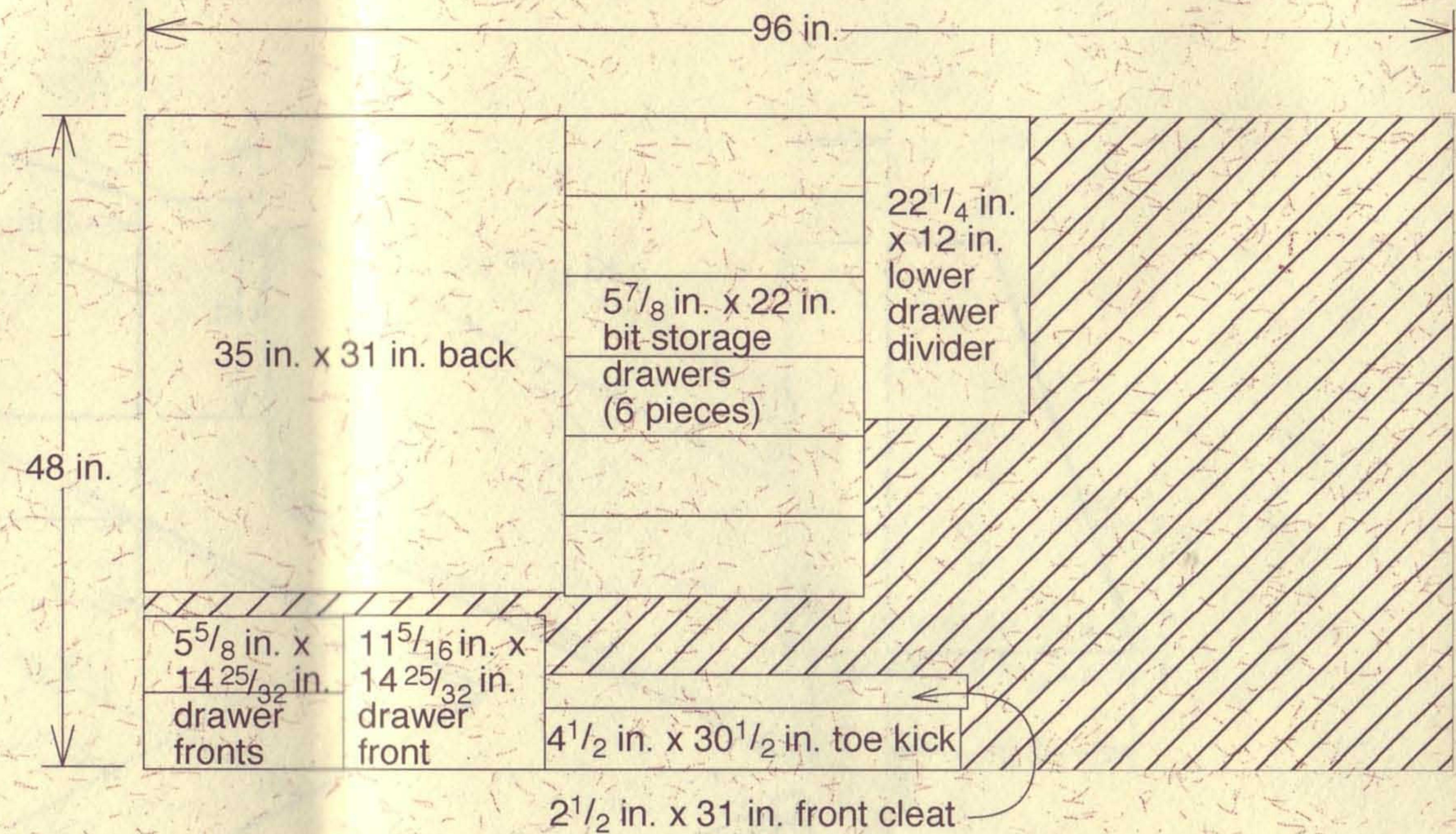
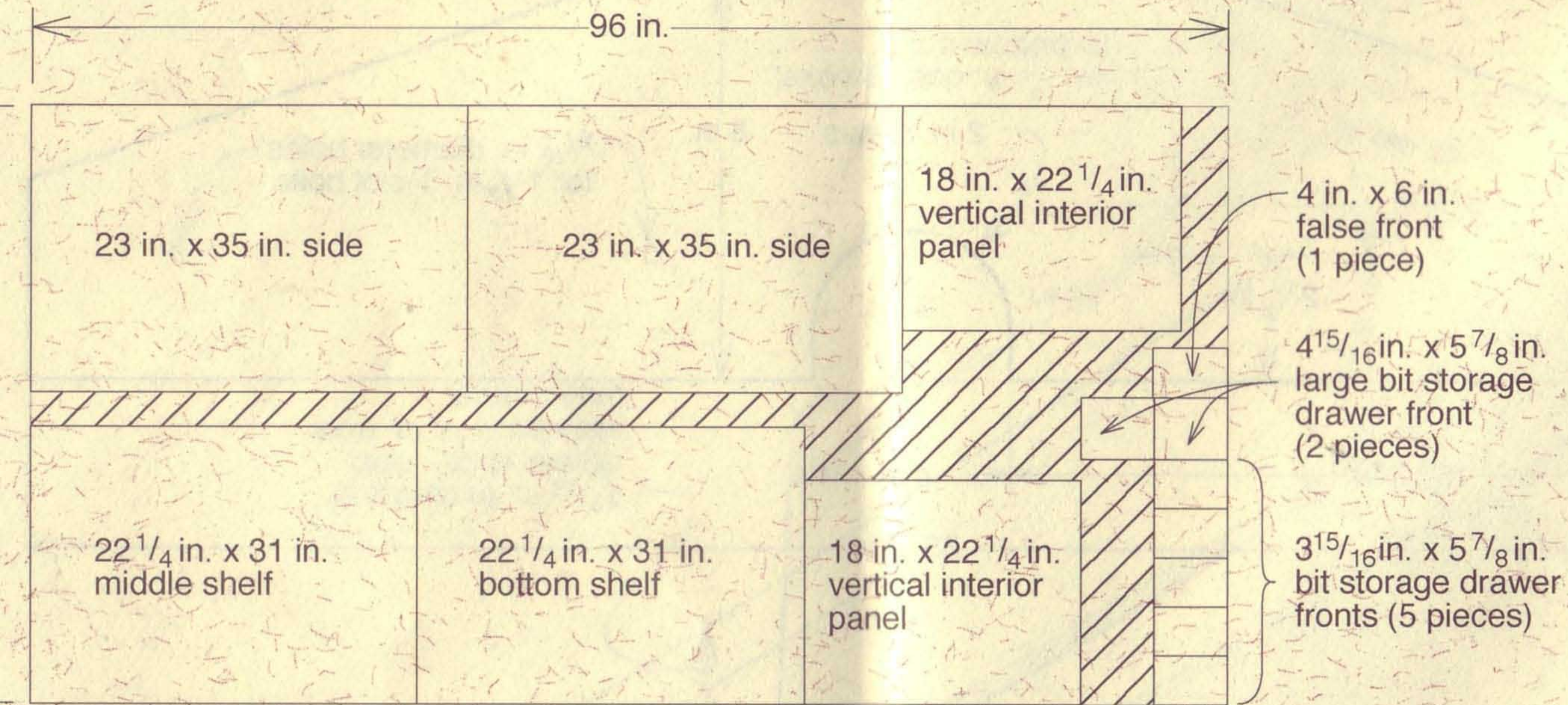
GENERAL NOTES ABOUT MATERIALS LISTS:

- It is just a guide - confirm final dimensions with the plan.
- Screw quantities are not always listed. Even the basic woodworker should have adequate quantities on hand.
- If there is a measurement conflict between the plans and the video, the plans should prevail.

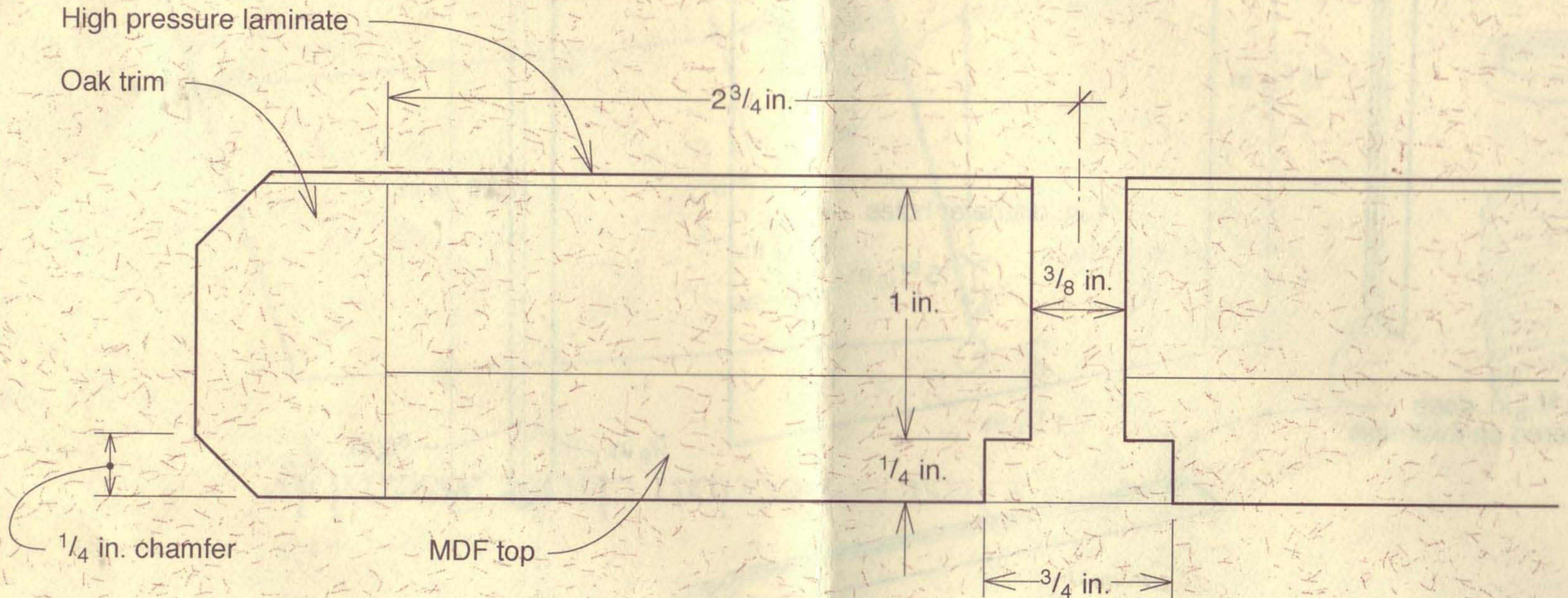
Middle shelf



$\frac{3}{4}$ in. plywood cutting diagrams

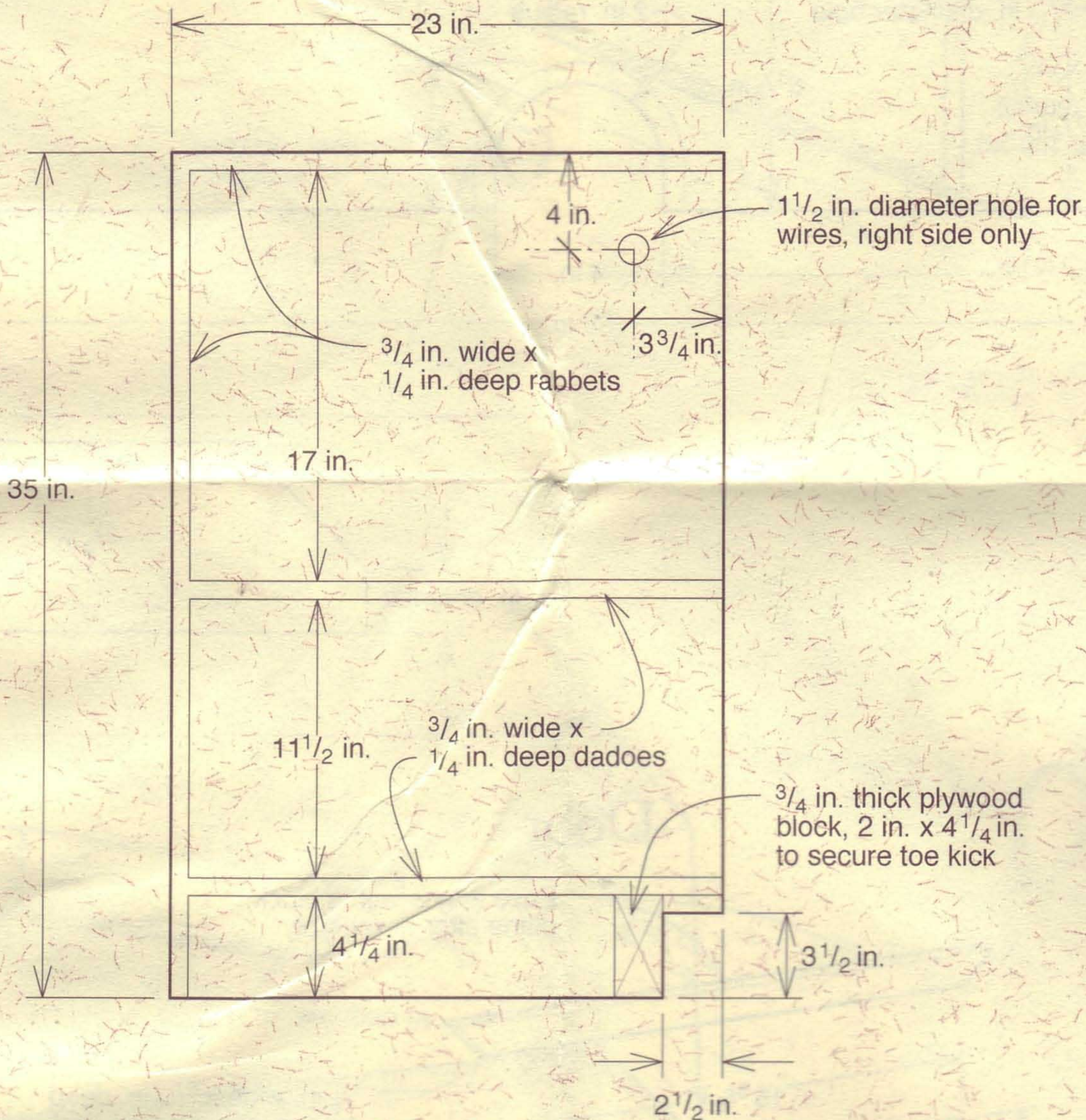


Section through edge of top

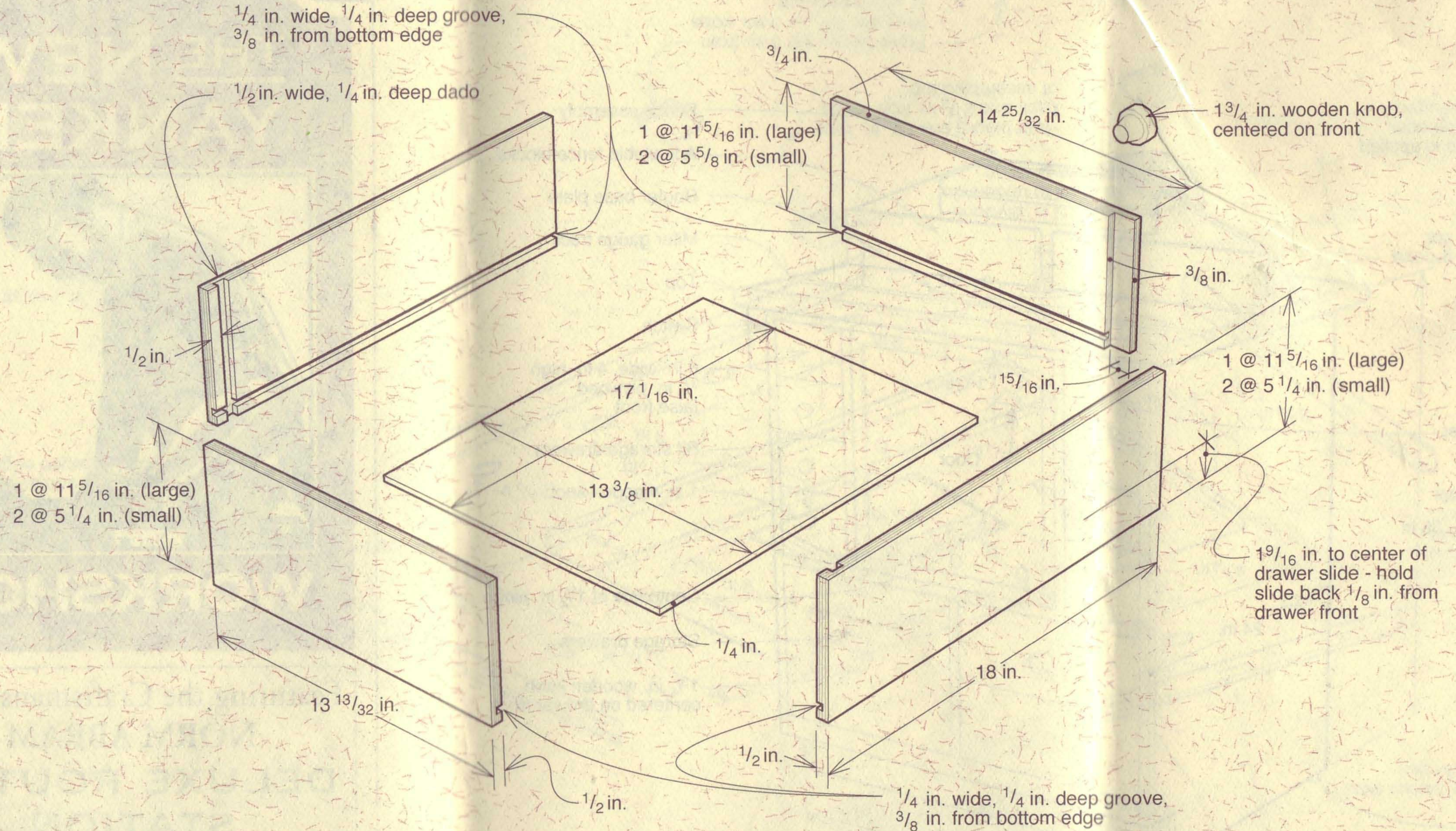


Side panel

Note: Make one as shown and one in a mirror image.

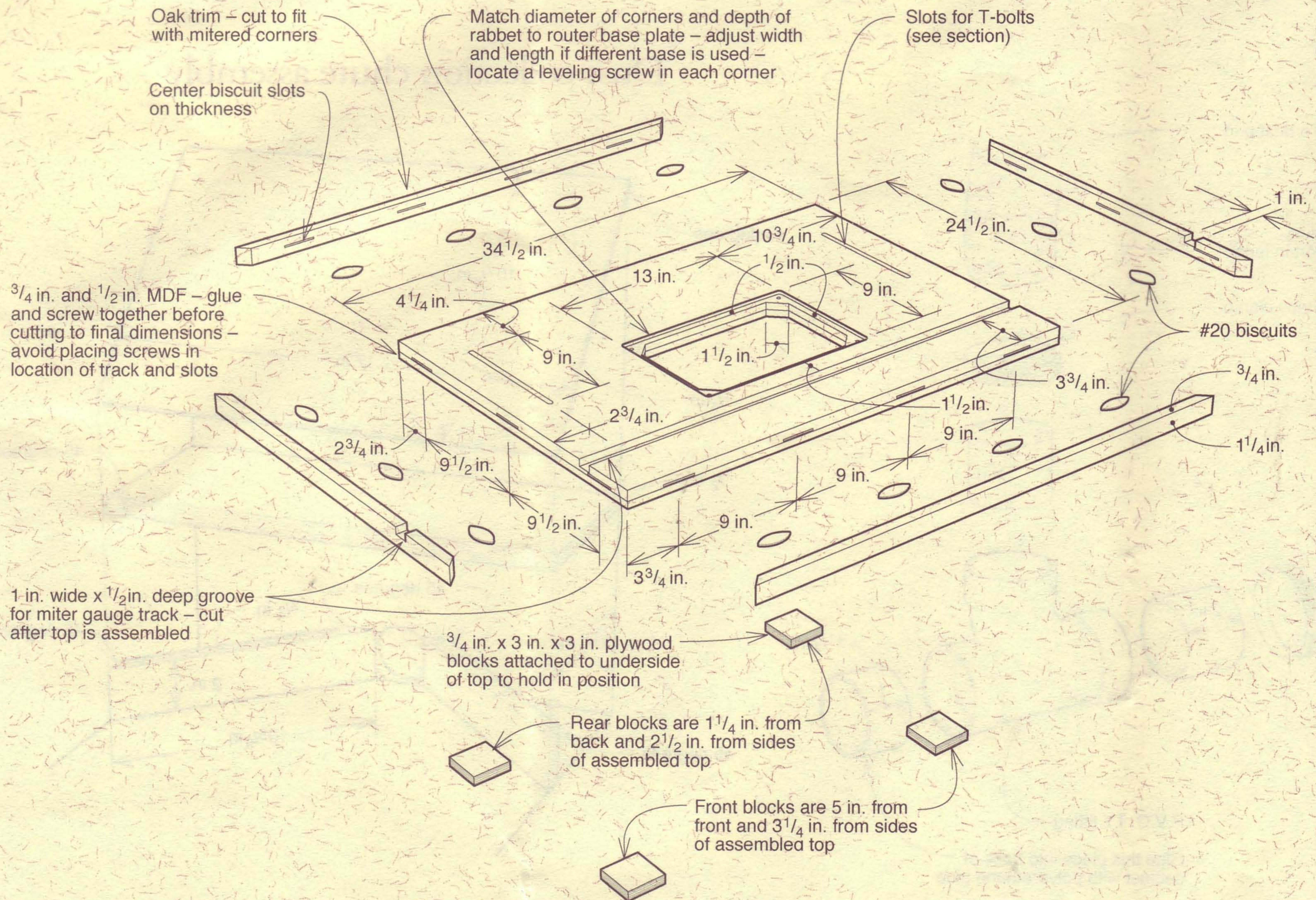


Storage drawers



Top

Note: Apply high pressure laminate after oak trim.



Vertical interior panel

Note: Make two as shown.



Wrench storage drawer

Note: One required. Add stops to inside of carcass so closed drawer is flush to face frame.

